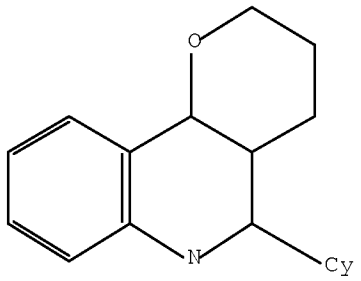
L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 16:16:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12724 TO ITERATE

15.7% PROCESSED 2000 ITERATIONS 11 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 247720 TO 261240
PROJECTED ANSWERS: 898 TO 1900

L6 11 SEA SSS SAM L5

=> s l5 ful
FULL SEARCH INITIATED 16:16:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 251623 TO ITERATE

100.0% PROCESSED 251623 ITERATIONS 947 ANSWERS
SEARCH TIME: 00.00.07

L7 947 SEA SSS FUL L5

FILE COVERS 1907 - 5 Nov 2009 VOL 151 ISS 19
FILE LAST UPDATED: 4 Nov 2009 (20091104/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

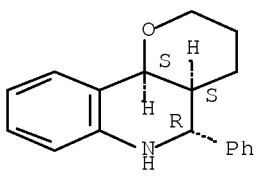
During November, try the new LSUS format of legal status information in the CA/CAplus family databases for free! Complete details on the number of free displays and other databases participating in this offer appear in NEWS 10.

=> s l7
L8 100 L7

=> d abs fbib hitstr 90-100

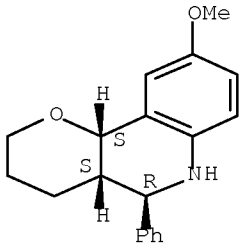
L8 ANSWER 90 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
AB A three-component cycloaddn. was used to prep. a library of polysubstituted tetrahydroquinolines. Reaction conditions were optimized and a large range of anilines, aldehydes and alkenes were tested.
AN 1998:233901 CAPLUS Full-text
DN 128:308418
OREF 128:61137a,61140a
TI Parallel synthesis of polysubstituted tetrahydroquinolines
AU Baudelle, Romuald; Melnyk, Patricia; Deprez, Benoit; Tartar, Andre
CS CEREP, Lille, 59000, Fr.
SO Tetrahedron (1998), 54(16), 4125-4140
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science Ltd.
DT Journal
LA English
IT 119066-74-9P 171868-65-8P 206446-78-8P
206446-79-9P 206446-80-2P 206446-81-3P
206446-82-4P 206446-83-5P 206446-84-6P
206446-85-7P 206446-86-8P 206446-87-9P
206446-89-1P 206446-91-5P 206446-93-7P
206446-95-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of a pyranoquinoline library by three-component cycloaddn.)
RN 119066-74-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



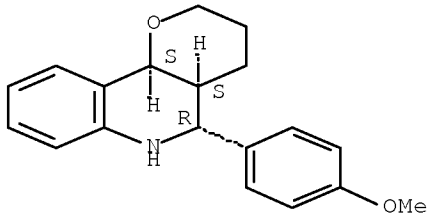
RN 171868-65-8 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-9-methoxy-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



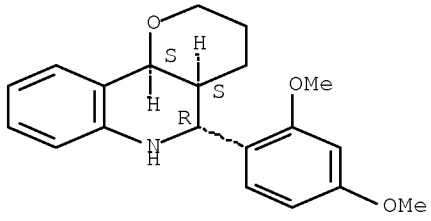
RN 206446-78-8 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-(4-methoxyphenyl)-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



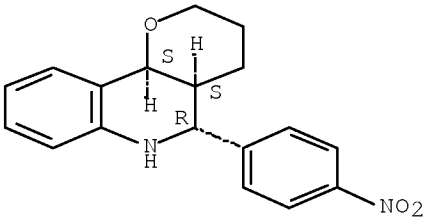
RN 206446-79-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 5-(2,4-dimethoxyphenyl)-3,4,4a,5,6,10b-hexahydro-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



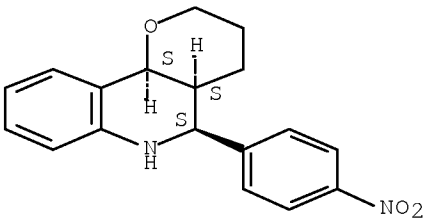
RN 206446-80-2 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-(4-nitrophenyl)-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



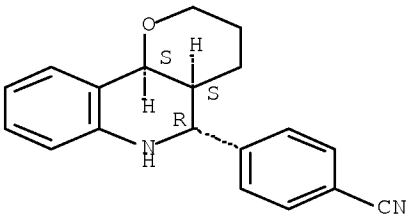
RN 206446-81-3 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-(4-nitrophenyl)-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



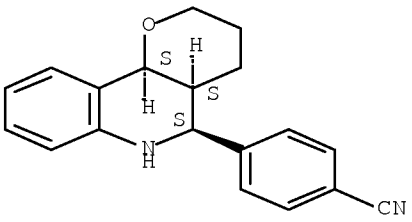
RN 206446-82-4 CAPLUS
CN Benzonitrile, 4-[(4aR,5S,10bR)-3,4,4a,5,6,10b-hexahydro-2H-pyrano[3,2-c]quinolin-5-yl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



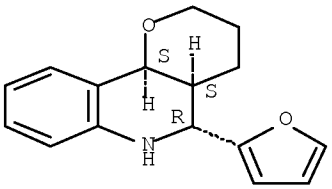
RN 206446-83-5 CAPLUS
CN Benzonitrile, 4-[(4aR,5R,10bR)-3,4,4a,5,6,10b-hexahydro-2H-pyrano[3,2-c]quinolin-5-yl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



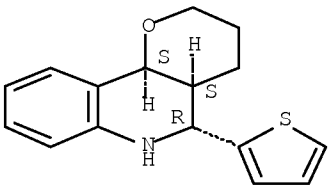
RN 206446-84-6 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 5-(2-furanyl)-3,4,4a,5,6,10b-hexahydro-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



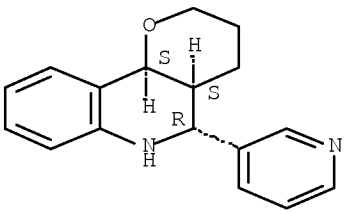
RN 206446-85-7 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-(2-thienyl)-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 206446-86-8 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-(3-pyridinyl)-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

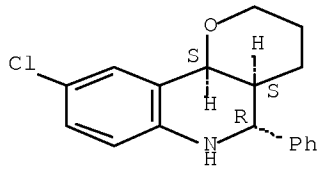
Relative stereochemistry.



RN 206446-87-9 CAPLUS

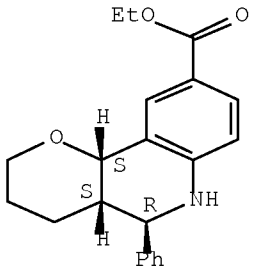
CN 2H-Pyrano[3,2-c]quinoline, 9-chloro-3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



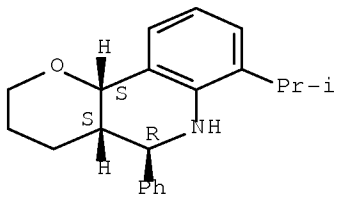
RN 206446-89-1 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline-9-carboxylic acid, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, ethyl ester, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



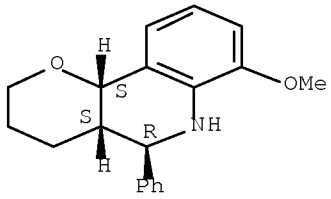
RN 206446-91-5 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-7-(1-methylethyl)-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



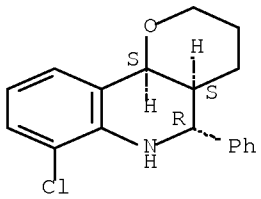
RN 206446-93-7 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-7-methoxy-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 206446-95-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 7-chloro-3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

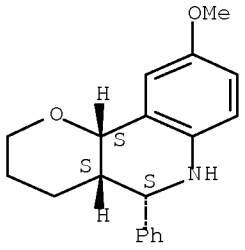
Relative stereochemistry.



OSC.G 39 THERE ARE 39 CAPLUS RECORDS THAT CITE THIS RECORD (39 CITINGS)
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

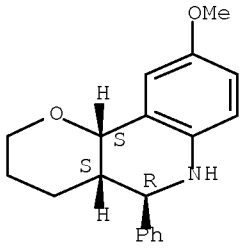
L8 ANSWER 91 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
AB [4+2] Cycloaddn. reaction of N-arylaldimines with vinyl ethers is effectively catalyzed by ytterbium(III) triflate to give quinoline derivs. in good yields. Furthermore, the reaction with silyl enol ethers affords 4-siloxytetrahydroquinolines, whereas an imino aldol reaction takes place in the reaction with ketene silyl acetals. For example, the cyclizaion of N-(phenylmethylene)benzenamine with 2-methoxy-1-propene gave 4-methyl-2-phenylquinoline (75% yield).
AN 1995:720821 CAPLUS Full-text
DN 124:55764
OREF 124:10537a,10540a
TI Ytterbium(III) triflate catalyzed synthesis of quinoline derivatives from N-arylaldimes and vinyl ethers
AU Makioka, Yoshikazu; Shindo, Takaaki; Taniguchi, Yuki; Takaki, Ken; Fujiwara, Yuzo
CS Dep. of Applied Chemistry, Hiroshima Univ., Higashi/Hiroshima, 724, Japan
SO Synthesis (1995), (7), 801-4
CODEN: SYNTBF; ISSN: 0039-7881
PB Thieme
DT Journal
LA English
OS CASREACT 124:55764
IT 171774-34-8P 171868-65-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of quinolines via ytterbium triflate-catalyzed cyclization reaction)
RN 171774-34-8 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-9-methoxy-5-phenyl-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 171868-65-8 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-9-methoxy-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



OSC.G 97 THERE ARE 97 CAPLUS RECORDS THAT CITE THIS RECORD (98 CITINGS)

L8 ANSWER 92 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN

AB Methods and compns. are provided for encoded combinatorial chem., whereby at each stage of the synthesis, a support such as a particle upon which a compound is being synthesized is uniquely tagged to define a particular event, usually chemical, associated with the synthesis of the compound on the support. The tagging is accomplished using identifier mols. which record the sequential events to which the supporting particle is exposed during synthesis, thus providing a reaction history for the compound produced on the support. Various products can be produced in the multi-stage synthesis, such as oligomers and synthetic nonrepetitive organic mols. Conveniently, nested families of compds. can be employed as identifiers, where number and/or position of a substituent define the choice. Alternatively, detectable functionalities may be employed, such as radioisotopes, fluorescers, halogens, and the like, where presence and ratios of two different groups can be used to define stage or choice. Particularly, pluralities of identifiers may be used to provide a binary or higher code, so as to define a plurality of choices with only a few detachable tags. The particles may be screened for a characteristic of interest, particularly binding affinity, where the products may be detached from the particle or retained on the particle. The reaction history of the particles which are pos. for the characteristic can be determined by the release of the tags and anal. to define the reaction history of the particle. An encoded combinatorial library of 2401 peptides was prepared (by solid phase synthesis) having the sequence (X4)EEDLGGGG (X = Asp, Glu, Ile, Lys, Leu, Gln, or Ser). The 4 Gly served as a spacer between the encoded amino acid sequence and the bead. The library included the sequence KLISEEDL, part of the epitope bound by monoclonal antibody 9E10 to the human

C-myc gene product. The identifiers used were 2-nitro-4-carboxybenzyl O-aryl-substituted ω-hydroxyalkyl carbonates (aryl = pentachlorophenyl, 2,4,6-trichlorophenyl, or 2,6-dichloro-4-fluorophenyl) and were attached via their carboxylic acids to tag free amino groups on each bead. The tags were released from each selected bead by photolysis, silylated, and analyzed by electron capture gas chromatog. The binary synthesis code of the bead was directly determined from the chromatogram of the tags.

AN 1994:503633 CAPLUS Full-text
DN 121:103633
OREF 121:18554h,18555a
TI Complex combinatorial chemical libraries encoded with tags
IN Still, W. Clark; OHL-Meyer, Michael H. J.; Wigler, Michael; Dillard, Lawrence; Reader, John
PA Columbia University, USA; Cold Spring Harbor Lab.
SO PCT Int. Appl., 147 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9408051	A1	19940414	WO 1993-US9345		19931001
	W: AT, AU, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KR, LU, NL, NO, NZ, PL, RO, RU, SE, US					
	RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, PT, SE					
				US 1992-955371	A	19921001
				US 1993-13948	A	19930204
	AU 9455369	A	19940426	AU 1994-55369		19931001
	AU 686579	B2	19980212			
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				US 1993-13948	A	19930204
				WO 1993-US9345	W	19931001
	EP 665897	A1	19950809	EP 1994-900350		19931001
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	JP 08506175	T	19960702	JP 1994-509330		19931001
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	IL 107166	A	20001031	IL 1993-107166		19931001
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	AT 244769	T	20030715	AT 1994-900350		19931001
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				US 1993-13948	A	19930204
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				US 1993-13948	A	19930204
	CA 2143848	C	20070911	CA 1993-2143848		19931001
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				US 1993-13948	A	19930204
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	US 6001579	A	19991214	US 1995-485018		19950607
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				US 1993-13948	B2	19930204
				US 1993-130271	B2	19931001
				WO 1993-US9345	A2	19931001
				US 1993-159861	B2	19931130
				US 1994-227007	A3	19940413
	AU 9745258	A	19980212	AU 1997-45258		19971117
	AU 716621	B2	20000302			
				US 1992-955371	A	19921001
				US 1993-13948	A	19930204

PATENT FAMILY INFORMATION:

FAN 1995:997403

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9528640	A1	19951026	WO 1995-US4683		19950413
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US					
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
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	US 5565324	A	19961015	US 1994-227007		19940413
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				US 1993-130271	A2	19931001
				US 1993-159861	A2	19931130
	AU 9522926	A	19951110	AU 1995-22926		19950413
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				WO 1995-US4683	W	19950413
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				WO 1995-US4683	W	19950413
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				WO 1995-US4683	W	19950413
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				WO 1995-US4683	W	19950413
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				US 1994-227007	W	19940413
				WO 1995-US4683	W	19950413
				US 1997-722014	A1	19970207

FAN 1996:672858

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE

PI US 5565324 A 19961015 US 1994-227007 19940413
US 1992-955371 B2 19921001
US 1993-13948 B2 19930204
US 1993-130271 A2 19931001
US 1993-159861 A2 19931130
CN 1154640 C 20040623 CN 1994-105555 19940413
US 1993-130271 A 19931001
US 1993-159861 A 19931130
CN 1525171 A 20040901 CN 2003-10120719 19940413
US 1993-130271 A 19931001
US 1993-159861 A 19931130
CA 2187792 A1 19951026 CA 1995-2187792 19950413
US 1994-227007 A 19940413
WO 9528640 A1 19951026 WO 1995-US4683 19950413
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
US 1994-227007 A 19940413
AU 9522926 A 19951110 AU 1995-22926 19950413
US 1994-227007 A 19940413
WO 1995-US4683 W 19950413
EP 755514 A1 19970129 EP 1995-916420 19950413
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
US 1994-227007 A 19940413
WO 1995-US4683 W 19950413
HU 74985 A2 19970328 HU 1996-2800 19950413
US 1994-227007 A 19940413
CN 1151793 A 19970611 CN 1995-193518 19950413
US 1994-227007 A 19940413
JP 10502614 T 19980310 JP 1995-527142 19950413
US 1994-227007 A 19940413
WO 1995-US4683 W 19950413
US 5721099 A 19980224 US 1995-484714 19950607
US 1992-955371 B2 19921001
US 1993-13948 B2 19930204
US 1993-130271 B3 19931001
US 5968736 A 19991019 US 1995-480821 19950607
US 1992-955371 B2 19921001
US 1993-13948 B2 19930204
US 1993-130271 B2 19931001
US 1993-159861 B2 19931130
US 1994-227007 A3 19940413
US 6001579 A 19991214 US 1995-485018 19950607
US 1992-955371 B2 19921001
US 1993-13948 B2 19930204
US 1993-130271 B2 19931001
WO 1993-US9345 A2 19931001
US 1993-159861 B2 19931130
US 1994-227007 A3 19940413
US 5789172 A 19980804 US 1996-680716 19960711
US 1992-955371 B2 19921001
US 1993-13948 B2 19930204
US 1993-130271 B2 19931001
US 1993-159861 B2 19931130
US 1994-227007 A1 19940413
NO 9604332 A 19961203 NO 1996-4332 19961011

				US 1994-227007	A	19940413
				WO 1995-US4683	W	19950413
	US 6503759	B1	20030107	US 1997-722014		19970207
				US 1992-955371	B2	19921001
				US 1993-13948	B2	19930204
				US 1993-130271	B2	19931001
				US 1993-159861	B2	19931130
				US 1994-227007	A2	19940413
				WO 1995-US4683	W	19950413
	US 20030119059	A1	20030626	US 2002-150141		20020517
	US 6936477	B2	20050830			
				US 1994-227007	W	19940413
				WO 1995-US4683	W	19950413
				US 1997-722014	A1	19970207

FAN 2003:17766

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 6503759	B1	20030107	US 1997-722014		19970207
				US 1992-955371	B2	19921001
				US 1993-13948	B2	19930204
				US 1993-130271	B2	19931001
				US 1993-159861	B2	19931130
				US 1994-227007	A2	19940413
				WO 1995-US4683	W	19950413
	US 5565324	A	19961015	US 1994-227007		19940413
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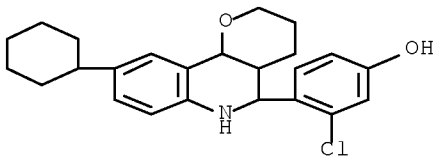
				US 1993-13948	B2	19930204
				US 1993-130271	A2	19931001
				US 1993-159861	A2	19931130
	CN 1154640	C	20040623	CN 1994-105555		19940413
				US 1993-130271	A	19931001
				US 1993-159861	A	19931130
	CN 1525171	A	20040901	CN 2003-10120719		19940413
				US 1993-130271	A	19931001
				US 1993-159861	A	19931130
	WO 9528640	A1	19951026	WO 1995-US4683		19950413
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US					
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
				US 1994-227007	A	19940413
	US 5721099	A	19980224	US 1995-484714		19950607
				US 1992-955371	B2	19921001
				US 1993-13948	B2	19930204
				US 1993-130271	B3	19931001
	US 20030119059	A1	20030626	US 2002-150141		20020517
	US 6936477	B2	20050830			
				US 1994-227007	W	19940413
				WO 1995-US4683	W	19950413
				US 1997-722014	A1	19970207

OS MARPAT 121:103633

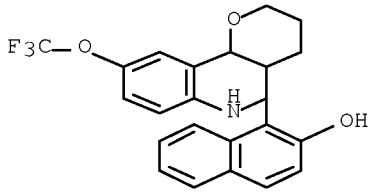
IT 156459-69-7P 156459-70-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as member of combinatorial hetero Diels-Alder library, tags
for reaction history anal. in relation to)

RN 156459-69-7 CAPLUS

CN Phenol, 3-chloro-4-(9-cyclohexyl-3,4,4a,5,6,10b-hexahydro-2H-pyrano[3,2-c]quinolin-5-yl)- (CA INDEX NAME)

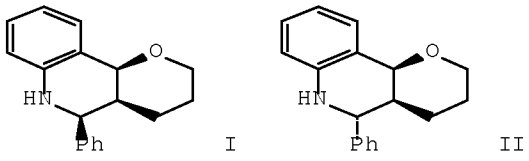


RN 156459-70-0 CAPLUS
CN 2-Naphthalenol, 1-[3,4,4a,5,6,10b-hexahydro-9-(trifluoromethoxy)-2H-pyrano[3,2-c]quinolin-5-yl]- (CA INDEX NAME)



OSC.G 67 THERE ARE 67 CAPLUS RECORDS THAT CITE THIS RECORD (73 CITINGS)

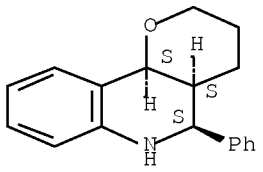
L8 ANSWER 93 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI



AB The Diels-alder reaction of PhN:CHPh with 3,4-dihydro-2H-pyran gave a mixture of 2 diastereomeric products I and II in a variable ratio (up to a factor of 20) depending on the reaction conditions. This is a correction of a previous erroneous report (J. Cabral, et al., 1988).
AN 1990:440493 CAPLUS Full-text
DN 113:40493
OREF 113:6879a,6882a
TI Product distribution in Diels-Alder addition of N-benzylideneaniline and enol ethers
AU Cabral, Jose; Laszlo, Pierre
CS Lab. Chim. Fine, Biometique, Aux Interfaces, Ec. Polytech., Palaiseau, 91128, Fr.
SO Tetrahedron Letters (1989), 30(51), 7237-8
CODEN: TELEAY; ISSN: 0040-4039
DT Journal

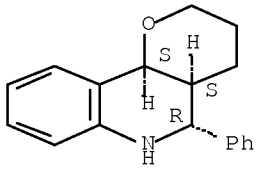
LA English
OS CASREACT 113:40493
IT 100820-45-9 119066-74-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(vs. [2+2] adduct, in cycloaddn. of N-benzylideneaniline with dihydropyran)
RN 100820-45-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



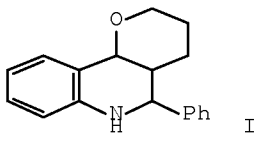
RN 119066-74-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



OSC.G 32 THERE ARE 32 CAPLUS RECORDS THAT CITE THIS RECORD (32 CITINGS)

L8 ANSWER 94 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI

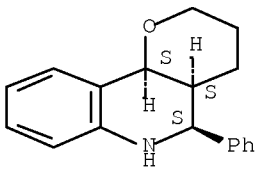


I

AB The cycloaddn. of dihydropyran to benzylideneaniline and to other anils gives tetrahydroquinolines e.g., I, resulting from [4 + 2] addition; contrary to a recent report, (J. Cabral et al., 1988), there is no evidence for the formation of [2 + 2] adducts.
AN 1989:95045 CAPLUS Full-text
DN 110:95045
OREF 110:15711a,15714a
TI Cycloaddition reaction of 3,4-dihydro-2H-pyran with benzylideneanilines

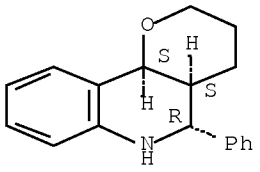
AU Gilchrist, Thomas L.; Stannard, Anne Marie
CS Robert Robinson Lab., Univ. Liverpool, Liverpool, L69 3BX, UK
SO Tetrahedron Letters (1988), 29(29), 3585-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 110:95045
IT 100820-45-9P 119066-74-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 100820-45-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



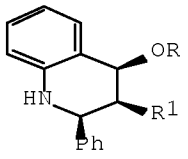
RN 119066-74-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5S,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.

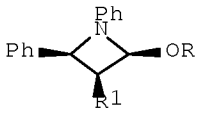


OSC.G 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L8 ANSWER 95 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI



I

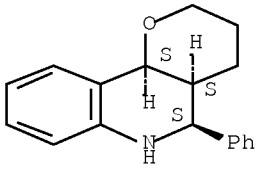


II

AB Clay-catalyzed cycloaddn. reactions of PhN:CHPh with vinyl ethers gave both tetrahydroquinolines and azetidines I and II [R = Et, R1 = H; RR1 = (CH2)2, (CH2)3], resp., regio- and stereospecifically.

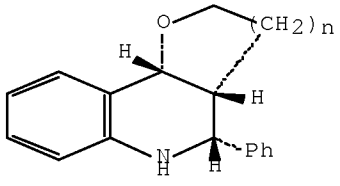
AN 1988:473301 CAPLUS Full-text
DN 109:73301
OREF 109:12273a,12276a
TI Schizoid reactivity of N-benzylideneaniline toward clay-catalyzed cycloadditions
AU Cabral, Jose; Laszlo, Pierre; Montaufier, Marie Therese
CS Lab. Chim. Fine, Biometique, Interf., Ec. Polytech., Palaiseau, F-91128, Fr.
SO Tetrahedron Letters (1988), 29(5), 547-50
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 109:73301
IT 100820-45-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 100820-45-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



OSC.G 25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (25 CITINGS)

L8 ANSWER 96 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI

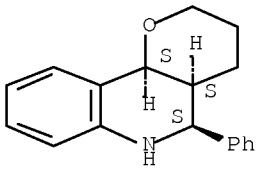


II

AB Benzylideneaniline (I) was treated with 2,3-dihydrofuran in the presence of EtAlCl2 to give 80% quinoline derivative II (n = 1). The yield of II decreased when other Lewis acids were used. Similarly I reacted with 3,4-dihydro-α-pyran in the presence of BF3·Et2O to give 25% II (n = 2).
AN 1986:109501 CAPLUS Full-text
DN 104:109501
OREF 104:17348h,17349a
TI Synthesis of quinoline derivatives by [4+2]cycloaddition reaction
AU Kametani, Tetsuji; Takeda, Hajime; Suzuki, Yukio; Honda, Toshio
CS Inst. Med. Chem., Hoshi Univ., Tokyo, 142, Japan

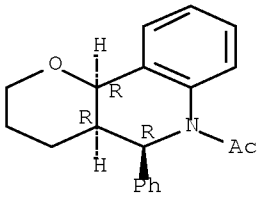
SO Synthetic Communications (1985), 15(6), 499-505
CODEN: SYNCAV; ISSN: 0039-7911
DT Journal
LA English
OS CASREACT 104:109501
IT 100820-45-9 100843-85-4
RL: PROC (Process)
(cycloaddn. of, with benzylideneaniline, in presence of Lewis acid)
RN 100820-45-9 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aR,5R,10bR)-rel- (CA INDEX NAME)

Relative stereochemistry.



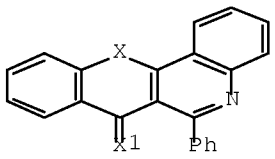
RN 100843-85-4 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 6-acetyl-3,4,4a,5,6,10b-hexahydro-5-phenyl-, (4aα,5β,10bα)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



OSC.G 27 THERE ARE 27 CAPLUS RECORDS THAT CITE THIS RECORD (27 CITINGS)

L8 ANSWER 97 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI



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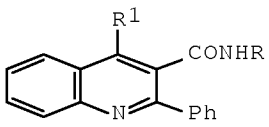
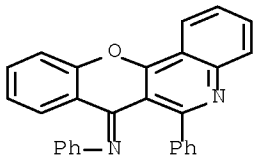


II

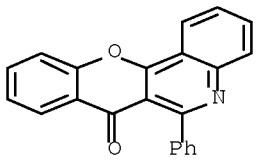
AB Condensed quinolines I (X = O, S, X1 = O) were obtained by treating II (R = H, R1 = Cl) with PhXH, and cyclizing II (R = H, R1 = XPh) with polyphosphoric acid. Treatment of II (R = Ph, R1 = Cl) with PhXH and cyclization of II (R =

Ph, R1 = XPh) gave I (X = O, S, X1 = NPh), which were hydrolyzed to I (X1 = O).

AN 1978:22706 CAPLUS Full-text
DN 88:22706
OREF 88:3645a,3648a
TI Synthesis and structure of some new heterocyclic analogs of benzanthracene
AU Bala, Marian
CS Inst. Chem., Jagellonian Univ., Krakow, Pol.
SO Zeszyty Naukowe Uniwersytetu Jagiellonskiego, Prace Chemiczne (1976), 21, 171-7
CODEN: ZUJCAQ; ISSN: 0373-0166
DT Journal
LA English
IT 65031-29-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 65031-29-0 CAPLUS
CN Benzenamine, N-(6-phenyl-7H-[1]benzopyrano[3,2-c]quinolin-7-ylidene)- (CA INDEX NAME)

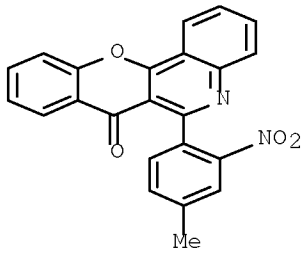


IT 65031-27-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65031-27-8 CAPLUS
CN 7H-[1]Benzopyrano[3,2-c]quinolin-7-one, 6-phenyl- (CA INDEX NAME)

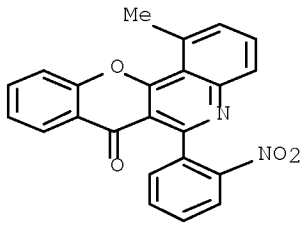


L8 ANSWER 98 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI For diagram(s), see printed CA Issue.
AB Cyclizations of substituted dibenzo[b,h][1,6]naphthyridines and of substituted [1]benzopyrano[3,2-c]quinolin-7-ones, and the condensation of N-carboxyanthranilic acid anhydrides with substituted 1,3-diphenylpropane- 1,3-diones followed by a reductive cyclization, leading unequivocally to dibenzo[b,h][1]benzopyrano[2,3,4-de]-[1,6]naphthyridine (I) and five isomeric Me derivs., are described. An explanation is given of the differences in carcinogenic activity of the 2-, 7-, and 12-methyl derivs. consistent with specific mol. orientations for carcinogenesis similar to those deduced for tricycloquinazoline and its derivs.

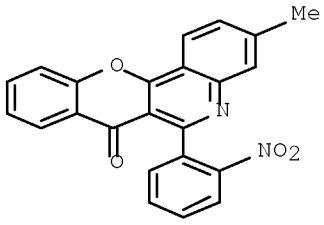
AN 1971:53602 CAPLUS Full-text
DN 74:53602
OREF 74:8637a,8640a
TI Cyclic amidines. XXIII. Dibenzo[b,h][1]benzopyrano[2,3,4-de][1,6]naphthyridines and their molecular orientation in carcinogenesis
AU Partridge, Maurice W.; Bloomfield, D. G.; Vipond, H. J.
CS Univ. Nottingham, Nottingham, UK
SO Journal of the Chemical Society [Section] C: Organic (1970), (19), 2647-53
CODEN: JSOOAX; ISSN: 0022-4952
DT Journal
LA English
IT 30413-15-1P 30413-16-2P 30649-98-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 30413-15-1 CAPLUS
CN 7H-[1]Benzopyrano[3,2-c]quinolin-7-one, 6-(4-methyl-2-nitrophenyl)- (CA INDEX NAME)



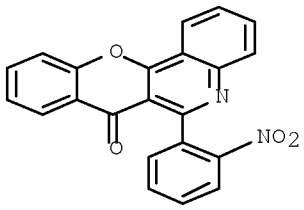
RN 30413-16-2 CAPLUS
CN 7H-[1]Benzopyrano[3,2-c]quinolin-7-one, 1-methyl-6-(2-nitrophenyl)- (CA INDEX NAME)



RN 30649-98-0 CAPLUS
CN 7H-[1]Benzopyrano[3,2-c]quinolin-7-one, 3-methyl-6-(2-nitrophenyl)- (CA INDEX NAME)

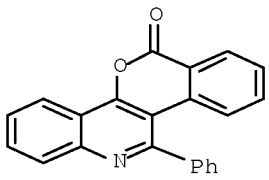


IT 30413-14-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(ring closure of)
RN 30413-14-0 CAPLUS
CN 7H-[1]Benzopyrano[3,2-c]quinolin-7-one, 6-(2-nitrophenyl)- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L8 ANSWER 99 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI For diagram(s), see printed CA Issue.
AB The Schmidt reaction with 2-(0-carboxyphenyl)-3-phenylindone (I) in a mixture of H2SO4 and HOAc affords 12-phenyl-5H-[2]benzopyrano[3,4-b]quinolin- 5-one (II) as the main product. The Me ester of I, which is almost unreactive towards hydrazoic acid in H2SO4-HOAc, is converted mainly into 2-phenyl-3-(0-carbomethoxyphenyl)-4-hydroxyquinoline (III) in concentrated H2SO4.
AN 1968:451958 CAPLUS Full-text
DN 69:51958
OREF 69:9695a,9698a
TI Conversion of indones to quinoline and isoquinoline derivatives. IV. Schmidt reaction with 2-(o-carboxyphenyl)-3-phenylindone and with 2-(o-carbomethoxyphenyl)-3-phenylindone
AU Marsili, A.; Saettone, M. F.; Scartoni, V.
CS Ist. Chim. Farm. Tossicol., Univ. Pisa, Pisa, Italy
SO Tetrahedron (1968), 24(14), 4993-9
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
OS CASREACT 69:51958
IT 19069-93-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 19069-93-3 CAPLUS
CN 6H-[2]Benzopyrano[4,3-c]quinolin-6-one, 11-phenyl- (CA INDEX NAME)



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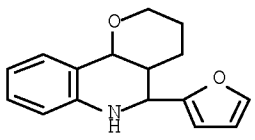
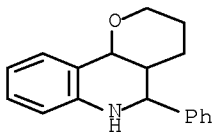
L8 ANSWER 100 OF 100 CAPLUS COPYRIGHT 2009 ACS on STN
GI For diagram(s), see printed CA Issue.
AB cf. CA 60, 5451d. Addn. of 15 g. dihydropyran to 32 g. PhCH:NPh and 0.5 ml. BF3.Et2O in Et2O and stirring 2 hrs. at room temperature, followed by 6 hrs. at reflux, gave after treatment with aqueous NaOH 14.8% 2-phenyl-3,4:3',2'-tetrahydropyrano-1,2,3,4-tetrahydroquinoline (I), b1.5 183-5°, m. 132-4°. Similarly, furfurylideneaniline gave in 4 hrs. at 50° in C6H6 22.8% 2-(2-furyl)-3,4:3',2'-tetrahydropyrano-1,2,3,4-tetrahydroquinoline, b0.2 175-90°, m. 152.5-3.5°. PhCH:NPh and 2-methyl-4,5-dihydrofuran similarly gave in 3 hrs. 81.3% 4-methyl-2-phenyl-3,4:3',2'-tetrahydrofurano-1,2,3,4-tetrahydroquinoline, m. 139-9.5°, while PhCH:NC6H4OMe-p gave 70.3% the 6-methoxy derivative, m. 149-51.5°, along with an isomer, m. 131-3°. PhCH:NC10H7-1 similarly gave 61% 4-methyl-2-phenyl-7,8-benzo-3,4:3',2'-tetrahydrofurano-1,2,3,4-tetrahydroquinoline, m. 145-7.5°; thenylideneaniline gave 61.5% 4-methyl-2-(2-thienyl)-3,4:3',2'- tetrahydrofurano-1,2,3,4-tetrahydroquinoline, m. 142.5-44°.
AN 1964:52703 CAPLUS Full-text
DN 60:52703
OREF 60:9256h,9257a-b
TI Reactions of dihydropyran and 2-methyldihydrofuran with some Schiff bases
AU Pavarov, L. S.; Grigos, V. I.; Karakhanov, R. A.; Mikhailov, B. M.
CS N. D. Zelinskii Inst. Org. Chem., Moscow
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1964), (1), 179-81
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Unavailable
IT 97755-42-5P, 2H-Pyrano[3,2-c]quinoline, 5-(2-furyl)-3,4,4a,5,6,10b-hexahydro- 248603-38-5P, 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl-
RL: PREP (Preparation)
(preparation of)
RN 97755-42-5 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 5-(2-furanyl)-3,4,4a,5,6,10b-hexahydro- (CA INDEX NAME)



RN 248603-38-5 CAPLUS
CN 2H-Pyrano[3,2-c]quinoline, 3,4,4a,5,6,10b-hexahydro-5-phenyl- (CA INDEX NAME)



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